

In the Claims:

1. (Original) A method of archiving data in a memory, comprising the steps of:

- (a) classifying the data according to a desired lifetime thereof; and
- (b) archiving the data in the memory using a storage method having a reliability in accordance with said desired lifetime.

2. (Original) The method of claim 1, wherein said storage method includes a parameter, a value whereof is set in accordance with said classifying to control said reliability.

3-9. (Canceled)

10. (Original) A system for archiving data, comprising:

- (a) a mechanism for classifying the data according to a desired lifetime thereof; and
- (b) a memory having a controller operative to archive the data in said memory using a storage method having a reliability in accordance with said desired lifetime.

11. (Original) The system of claim 10, wherein said mechanism includes a processor for running an application that produces and classifies the data.

12. (Original) The system of claim 10, wherein said mechanism includes an input device wherewith a user classifies the data.

13. (Original) The system of claim 10, wherein said memory is a non-volatile memory.

14. (Original) The system of claim 10, wherein said storage method includes a parameter, a value whereof is set in accordance with said classifying to control said reliability.

15. (Original) The system of claim 14, wherein said memory is an EPROM including a plurality of cells.

16-22. (Canceled)

23. (New) A method of archiving data in a memory, comprising the steps of:

- (a) classifying the data according to a desired lifetime thereof; and
- (b) archiving the data in the memory using a storage method having a reliability in accordance with said desired lifetime, wherein said storage method includes a parameter, a value whereof is set in accordance with said classifying to control said reliability, and wherein said parameter is selected from the group consisting of a programming voltage pulse increment, a target threshold voltage, a programming voltage pulse width, a starting programming voltage, a maximum number of programming voltage pulses, a maximum programming voltage and a number of levels per cell of the memory.

24. (New) A system for archiving data, comprising:
- (a) a mechanism for classifying the data according to a desired lifetime thereof; and
 - (b) an EPROM including a plurality of cells and having a controller operative to archive the data in said EPROM using a storage method having a reliability in accordance with said desired lifetime, wherein said storage method includes a parameter, a value whereof is set in accordance with said classifying to control said reliability, and wherein said parameter is selected from the group consisting of an increment of a voltage pulse used to program said cells, a target threshold voltage of said cells, a width of programming voltage pulses used to program said cells, a starting voltage used to program said cells, a maximum number of programming voltage pulses used to program said cells, a maximum voltage used to program said cells and a number of programming levels of said cells.